FORM PTO-1449 U.S. Department of Commerce Patent & Trademark Office			Attorney Docket No. 381NP/50756 Serial No. 10 713, 270 To Be Assigned Applicant: HIRAYAMA et al.					
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)				Applicant: HIRAYAMA Filing Date December 14, 2001	Group			
		, - 1		PATENT DOCUMENTS		/		
Examiner Initial		Document Number	Date	Name	Class	Sub- Class	Filing Date (if appropriate)	
£ 5	AA	5,190,012	3/1993	Takahashi	123	479	1/15/1992	
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- 25	AK	1247723	10/1989	Japan		+	Abstract	
1	AL	11044265	2/1999	Japan			Abstract	
	AM	2275041	11/1990	Japan			Abstract	
1	AN AO	4265448 4262031	9/1992	Japan Japan	-		Abstract Equivalent of U.S. Patent 5,190,012	
45	AP	63272933	11/1988	Japan			Abstract	
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				Applicant: HIRAYAMA et al.					
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	3/4		U.S.	PATENT DOCUMENTS					
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25	AK	6146989	5/1994	Japan			Abstract		
	AL	5059994	3/1993	Japan		<u> </u>	Abstract		
	AM	7279724	10/1995	Japan		-	Abstract		
	AN	8285651	11/1996	Japan		—	Abstract		
	AO	1290948	11/1989	Japan		ļ	Abstract -		
55	AP	5346336	12/1993	Japan		<u> </u>	Abstract		
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				Applicant: HIRAYAM	IA et al.			
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)				Filing Date December 14, 2001	Group	374	7	
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95 E5 G(AK	1224429	9/1989	Japan			Abstrac	
	AL	5086934	4/1993	Japan			Abstrac	
75	AM	4350338	12/1992	Japan			11000140	
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